

**Remarks**

This AMENDMENT AFTER ALLOWANCE UNDER 37 C.F.R. §1.312 is in reply to the Notice of Allowability mailed September 20, 2006.

**In the Title:**

In the Notice of Allowability and the Examiner's Amendment mailed September 20, 2006, the Title was amended pursuant to MPEP 606.01. Applicant thanks the Examiner for providing this amendment. Subject to the approval of the Examiner, and to increase brevity, Applicant proposes a further amendment to the Title as shown below, namely:

**SYSTEM AND METHOD FOR GARBAGE COLLECTION IN A COMPUTER  
SYSTEM, WHICH USES REINFORCEMENT LEARNING TO ADJUST THE  
ALLOCATION OF MEMORY SPACE, CALCULATE A REWARD, AND USE THE  
REWARD TO DETERMINE FURTHER ACTIONS TO BE TAKEN ON THE  
MEMORY SPACE**

Applicant respectfully submits that the proposed amendment corrects informalities in the Application, and requires no additional search or examination other than a cursory review of the record. Nor should the proposed amendment involve any materially added work on the part of the Office.

**Comments on Statement of Reasons for Allowance:**

In the statement of Reasons for Allowance mailed September 20, 2006, the Examiner stated that the claimed invention is allowable over the cited references for a variety of reasons. Applicant believes that embodiments of the present invention are also allowable over the cited references for reasons in addition to those stated.

Application No.: 10/630,525  
Amendment/Response Dated: December 19, 2006  
Reply to Office Communication Dated: September 20, 2006

**Conclusion:**

In light of the above, it is respectfully submitted that all of the claims now pending in the subject patent application should be allowable. The Examiner is respectfully requested to telephone the undersigned if he can assist in any way in expediting issuance of a patent.

Applicant believe no fee is due with this communication. However, the Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this Amendment, including any fee for extension of time, which may be required.

Respectfully submitted,

Date: 12/19/2006

By: /Karl F. Kenna/

Karl Kenna  
Reg. No. 45,445

Customer No.: 23910  
FLIESLER MEYER LLP  
650 California, 14<sup>th</sup> Floor  
San Francisco, California 94108  
Telephone: (415) 362-3800